

ABSTRACT

A method for producing activated carbon for an electric double layer capacitor electrode including an activation step of obtaining an activated carbon by mixing a raw carbon material for activated carbon with an alkali metal hydroxide, and heating the mixture in an inert gas atmosphere; a deactivation and removal step of deactivating and removing alkali metal contained in the activated carbon; and a heat treatment step of heating the activated carbon passed through the deactivation and removal step to a temperature exceeding 400°C and not higher than the heating temperature in the activation step, in an inert gas atmosphere. Activated carbon produced by this method. Activated carbon for an electric double layer capacitor electrode having an alkali metal content of less than 100 mass ppm. Activated carbon for an electric double layer capacitor electrode having a specific impedance characteristic. Activated carbon for an electric double layer capacitor electrode having specific amounts of a surface functional group and a surface carboxyl group. In the electric double layer capacitor having a pair of electrodes and an electrolytic solution, at least one of the pair of the electrodes includes the activated carbon.